

REMARKS

In response to the Office Action dated October 13, 2005, Applicants respectfully request reconsideration based on the following remarks. Applicants respectfully submit that the claims as they presently stand are in condition for allowance.

Claims 1-12 are pending in the present application and claims 1-12 have been rejected. Claims 1-12 remain for consideration upon the entry of the present Response. No new matter has been added.

Claim Rejections Under 35 U.S.C. § 103

Claims 1, 2, 5-8 and 1-12 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Shin (U.S. Patent No. 6,661,181) in view of Jang (U.S. Patent Application Publication No. 2001/0011980) for the reasons stated on pages 2-4 of the Detailed Action. Applicants respectfully traverse.

Regarding claim 1, the Examiner alleges that Shin teaches an apparatus of driving a liquid crystal display comprising: first and second lamp units (223a, b); a first transformer (T1) including a primary side and a secondary side having a first terminal connected to the first lamp unit (223a) and a second terminal; a second transformer (T2) including a primary side and a secondary side having a first terminal connected to the second terminal of the secondary side of the first transformer (T1) and a second terminal connected to the second lamp unit (223b) in column 10, lines 42-48. The Examiner admits that Shin does not teach a voltage sensor, but states that Jang teaches a voltage sensor (24) for sensing a voltage at a middle point in section [0022].

On the contrary, it is respectfully submitted that Shin fails to teach or suggest *"a second transformer including a primary side and a secondary side having a first terminal connected to the second terminal of the secondary side of the first transformer"* as recited in claim 1, and similarly claimed in claim 11. Instead, Shin discloses a first terminal of the secondary side of the second transformer (T2) and the second terminal of the secondary side of the first transformer (T1) both connected to a stabilization circuit (227, 235). [See FIGS. 8, 9, 18 and 21 of Shin.]

Thus, independent claims 1 and 11, including claims depending therefrom, i.e., claims 2-10 and 12, define over Shin.

Further, it is respectfully submitted that use of the voltage sensor of Jang does not cure the deficiencies noted above with respect to Shin. Moreover, it is respectfully submitted that although Jang discloses the voltage sensor, Jang fails to teach or suggest the *"sensing a voltage at a middle point between the second terminal of the secondary side of the first transformer and the first terminal of the secondary side of the second transformer"* as recited in claim 1, and similarly claimed in claim 11.

In particular, neither Shin, nor Jang teach or suggest, either alone or in combination, a second transformer including a primary side and a secondary side having a first terminal connected to the second terminal of the secondary side of the first transformer and a second terminal connected to the second lamp unit; . . . and a voltage sensor for sensing a voltage at a middle point between the second terminal of the secondary side of the first transformer and the first terminal of the secondary side of the second transformer, as in claim 1.

In like manner, neither Shin, nor Jang teach or suggest, either alone or in combination, wherein the secondary sides of the first and the second transformers are connected to each other to form a neutral point, and the lighting unit further comprises a voltage sensor for sensing a voltage of the neutral point, as in independent claim 11. Thus, independent claims 1 and 11, including claims depending therefrom, i.e., claims 2-10 and 12, define over Shin in view of Jang.

Accordingly, it is respectfully requested that the rejections to claims 1, 2, 5-8 and 1-12 under § 103(a) be withdrawn.

Claims 3 and 4 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Shin (U.S. Patent No. 6,661,181) in view of Jang (U.S. Patent Application Publication No. 2001/0011980) and Miyazaki (U.S. Patent Application Publication No. 2002/0154080) for the reasons stated on page 5 of the Detailed Action. Applicants respectfully traverse.

It is respectfully pointed out that claims 3 and 4 depend from claim 1, which is submitted as being allowable for defining over Shin in view of Jang as discussed above.

Moreover, it is respectfully submitted that use of a voltage divider allegedly taught in Miyazaki does not cure the deficiencies noted above with respect to Shin and Jang. Therefore, it is respectfully submitted that claims 3 and 4 define over Shin in view of Jang and Miyazaki.

Accordingly, it is respectfully requested that the rejections to claims 3 and 4 under § 103(a) be withdrawn.

Claim 9 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Shin (U.S. Patent No. 6,661,181) in view of Hsu (U.S. Patent No. 6,812,921) for the reasons stated on pages 5 and 6 of the Detailed Action. Applicants respectfully traverse.

It is respectfully pointed out that claim 9 depends from claim 1, which is submitted as being allowable for defining over Shin as discussed above. Moreover, it is respectfully submitted that use of first and second resistors connected to first and second lamp units, respectively, as allegedly taught in Hsu, does not cure the deficiencies noted above with respect to Shin. Therefore, it is respectfully submitted that claims 3 and 4 define over Shin in view of Hsu.

Accordingly, it is respectfully requested that the rejections to claim 9 under § 103(a) be withdrawn.

Conclusion

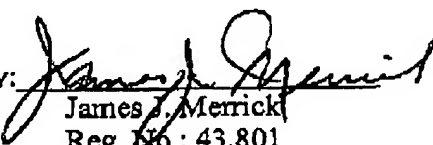
In view of the forgoing remarks, Applicants submit that this application is in condition for allowance. Early notification to this effect is requested.

The Examiner is cordially invited to contact Applicants' Attorneys at the below-listed telephone number regarding this Response or otherwise regarding the present application.

If there are any charges due in connection with this response, please charge them to Deposit Account 06-1130.

Respectfully submitted,

CANTOR COLBURN LLP

By: 

James J. Merrick
Reg. No.: 43,801
Confirmation No. 1734
CANTOR COLBURN LLP
55 Griffin Road South
Bloomfield, CT 06002
Telephone (860) 286-2929
Facsimile (860) 286-0115
PTO Customer No. 23413

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